

FIG.1

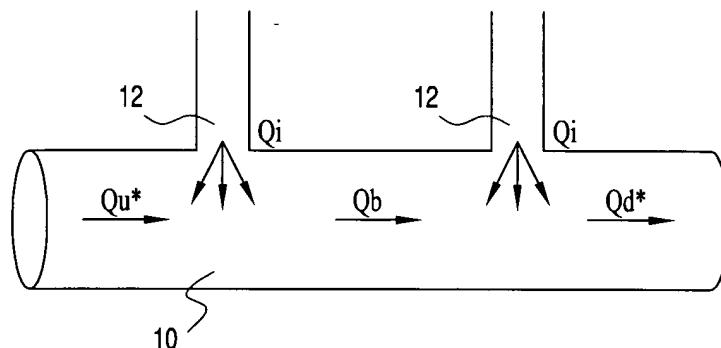


FIG.2

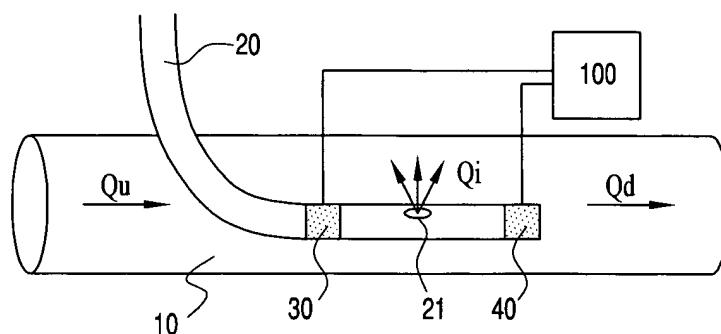
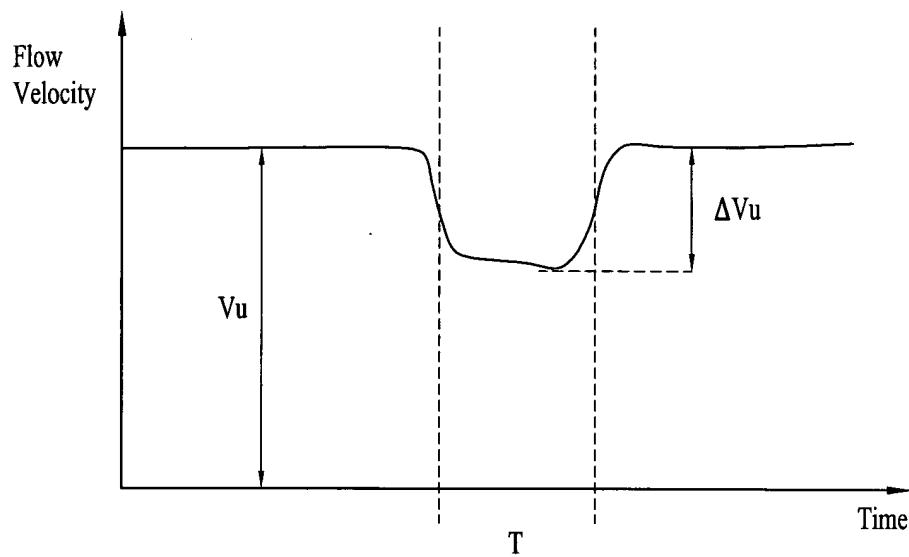


FIG.3

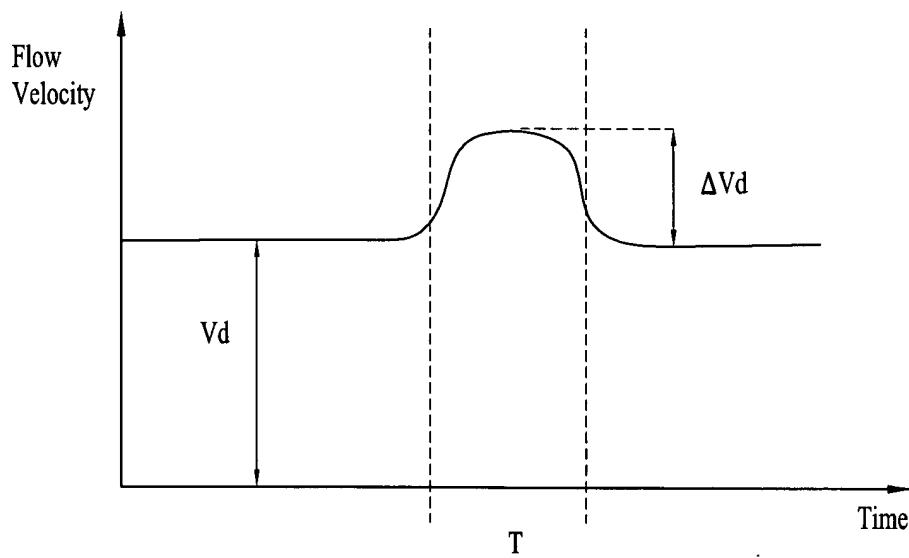
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FIG.4a

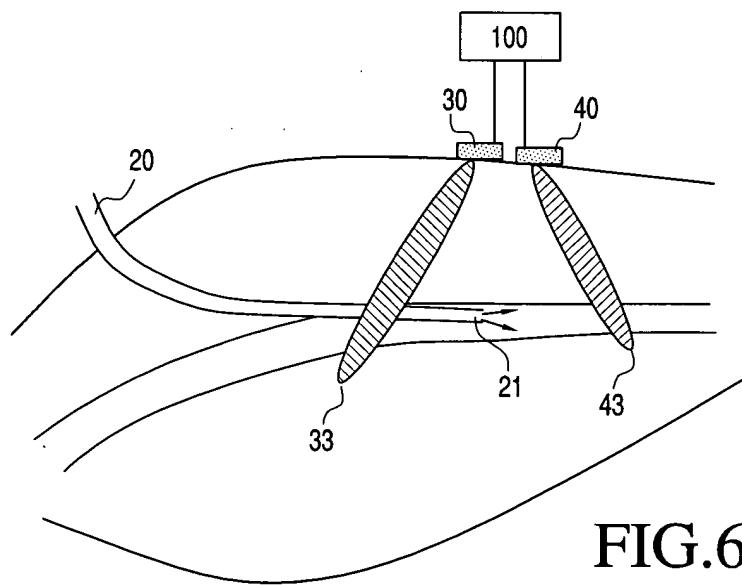
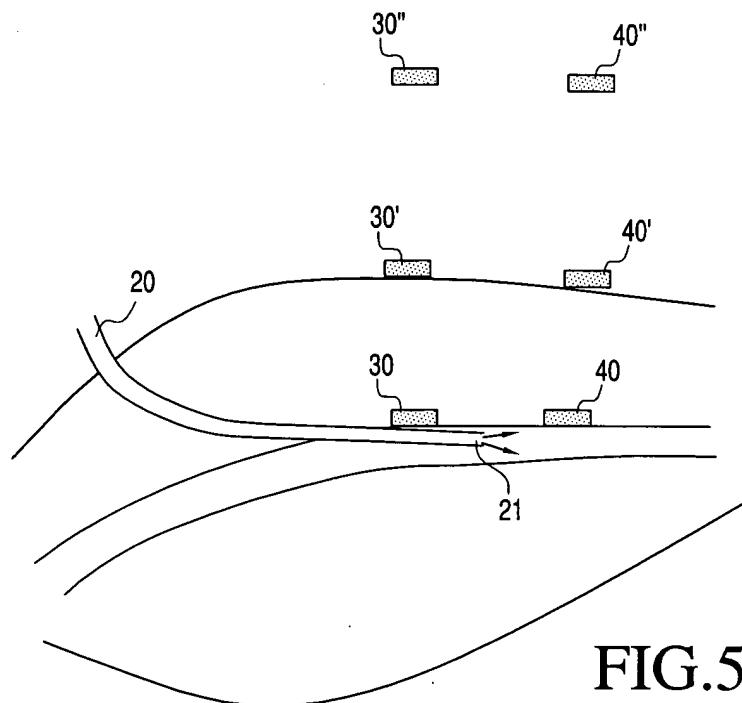


ΔV_2

FIG.4b



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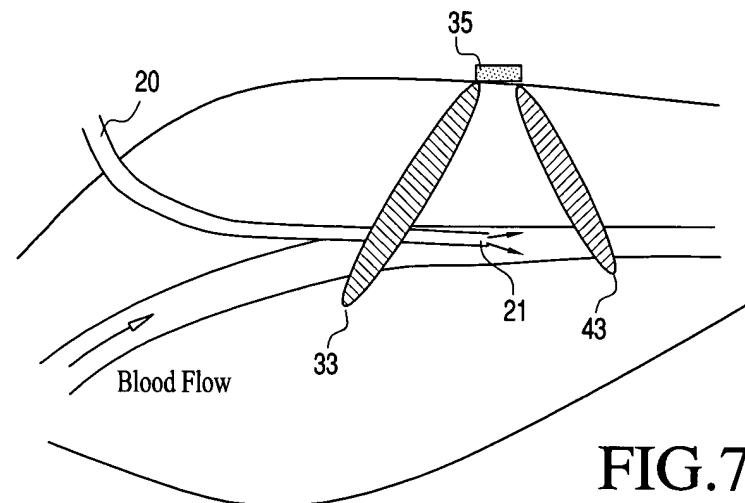


FIG. 7

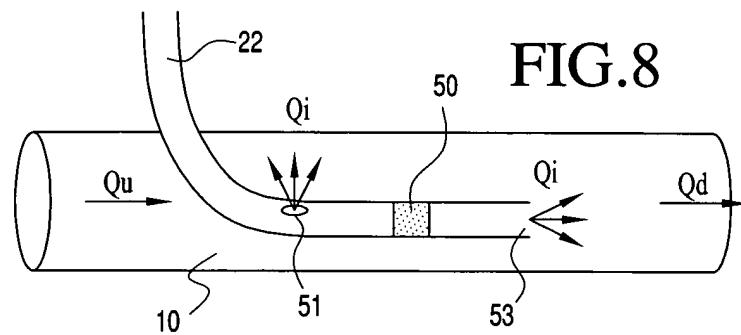
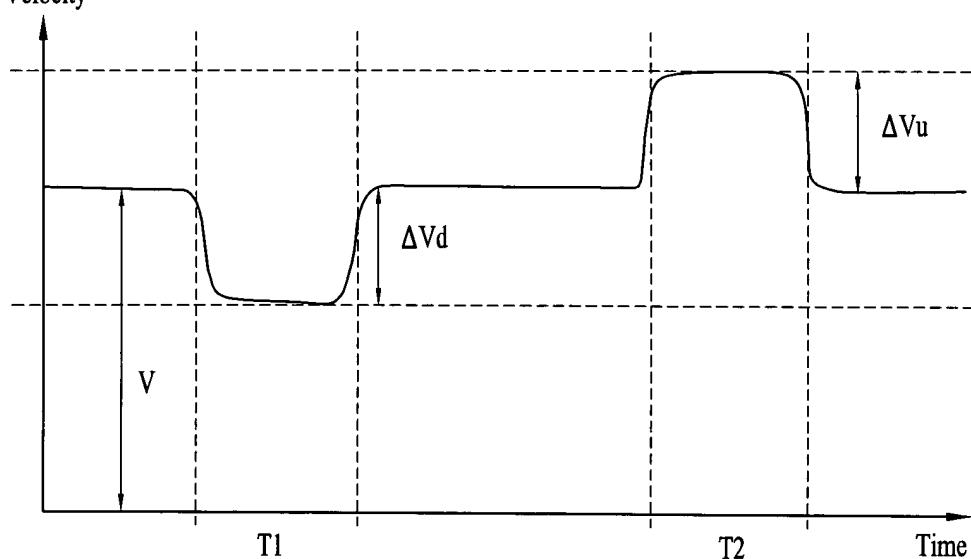


FIG. 8

Flow
Velocity

FIG. 9



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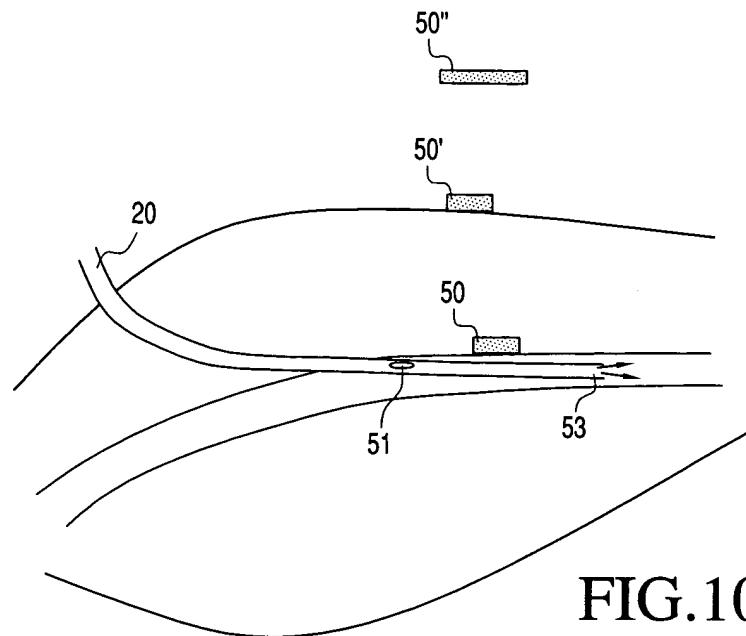


FIG.10

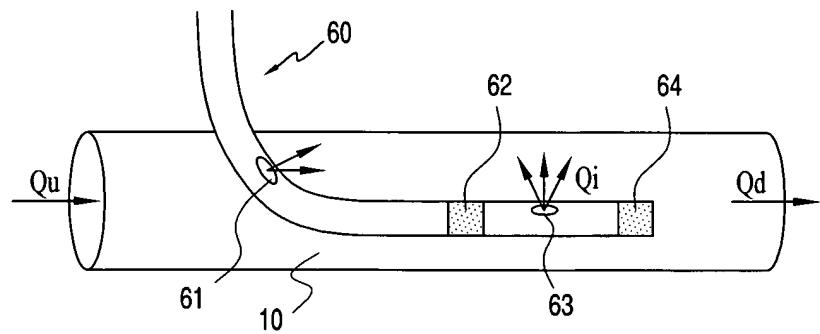
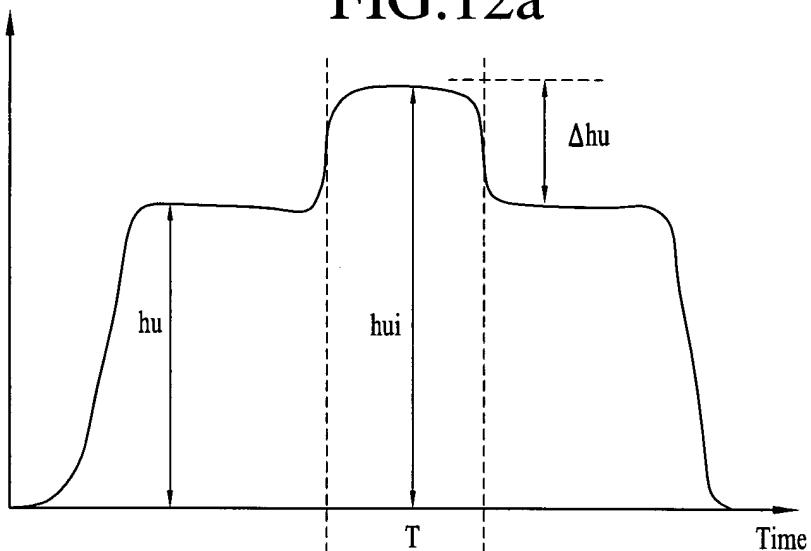


FIG.11

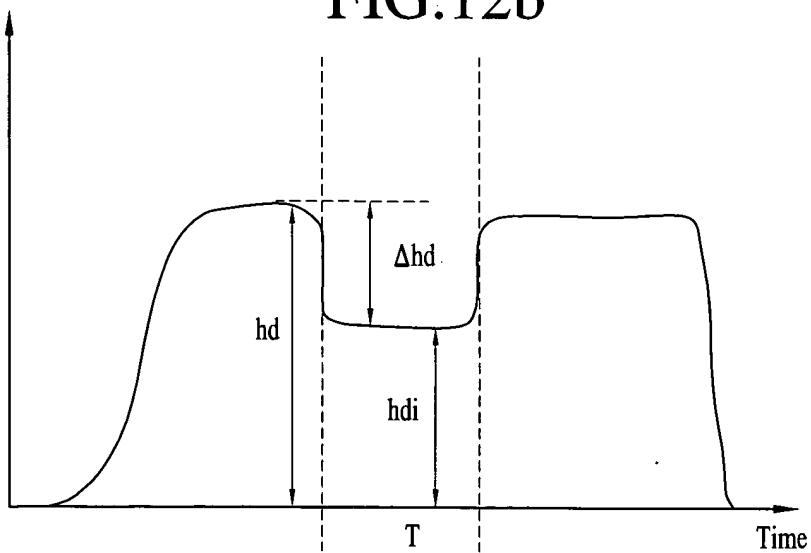
Indicator
Concentration
(Upstream Sensor)

FIG.12a



Indicator
Concentration
(Downstream Sensor)

FIG.12b



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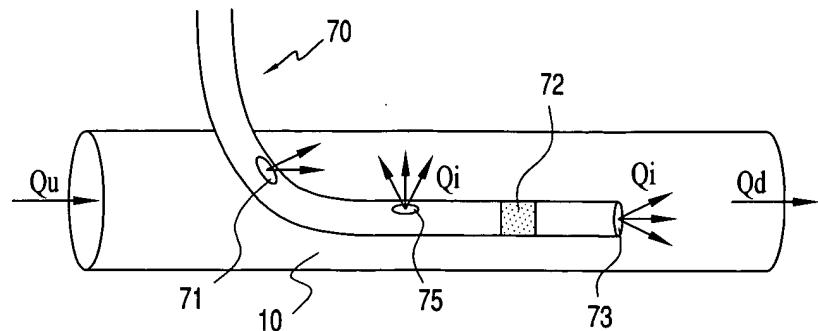


FIG.13

Concentration
of Indicator

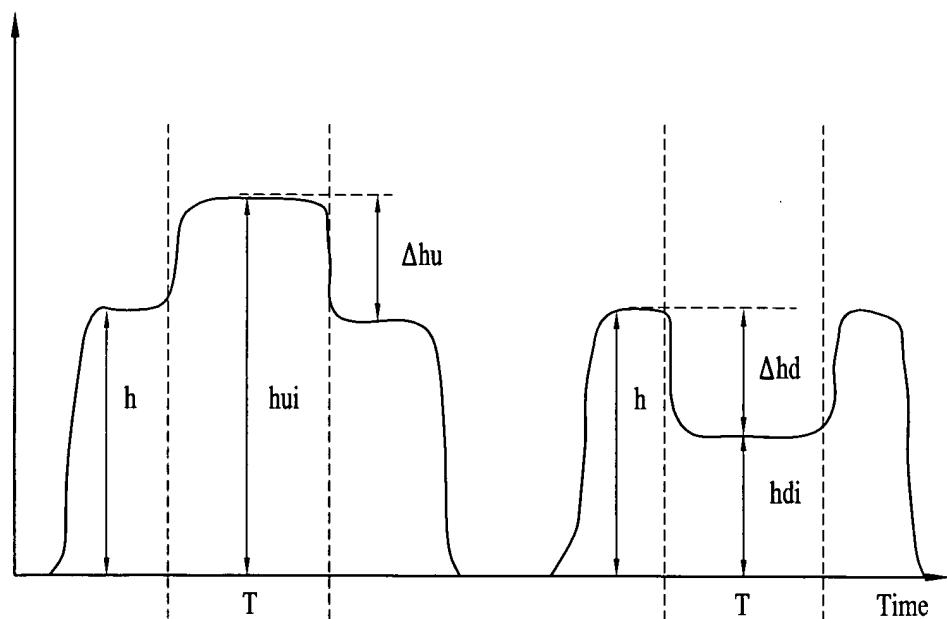


FIG.14

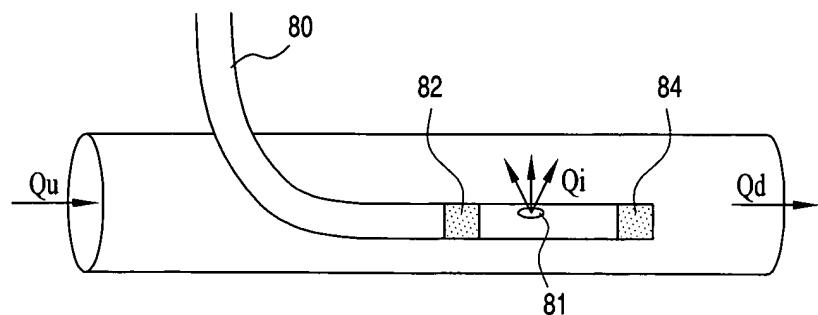


FIG.15

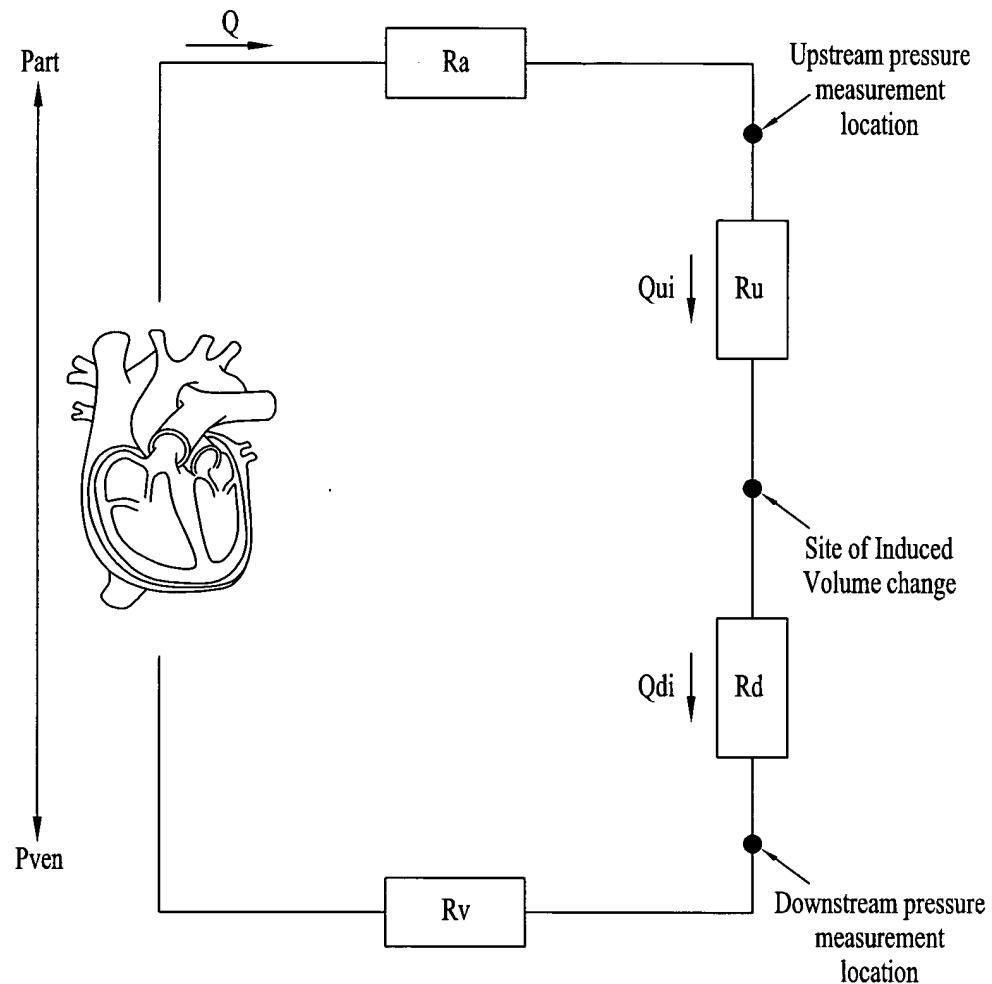


FIG.16

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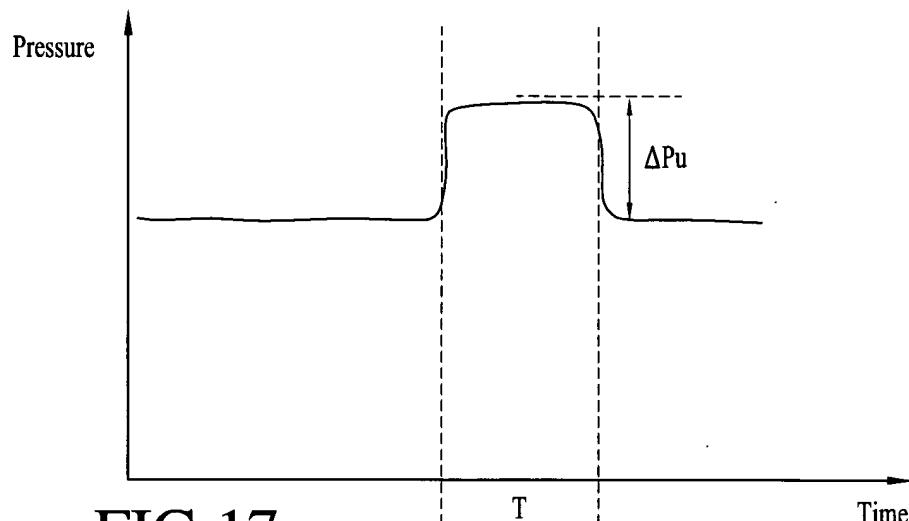


FIG.17a

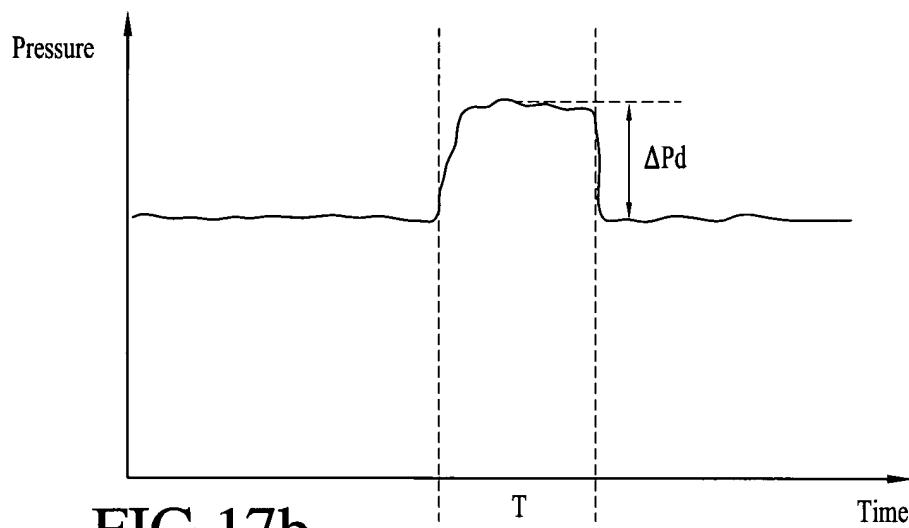


FIG.17b

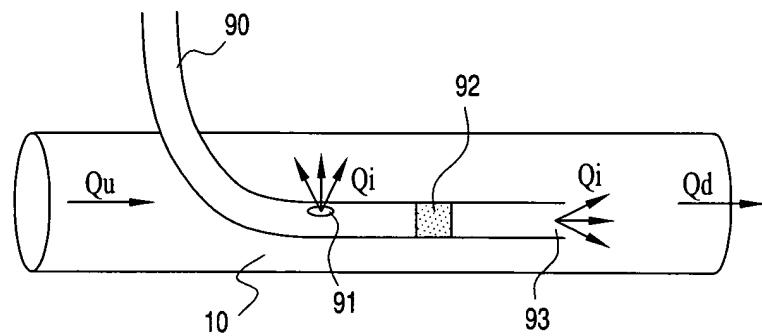


FIG.18

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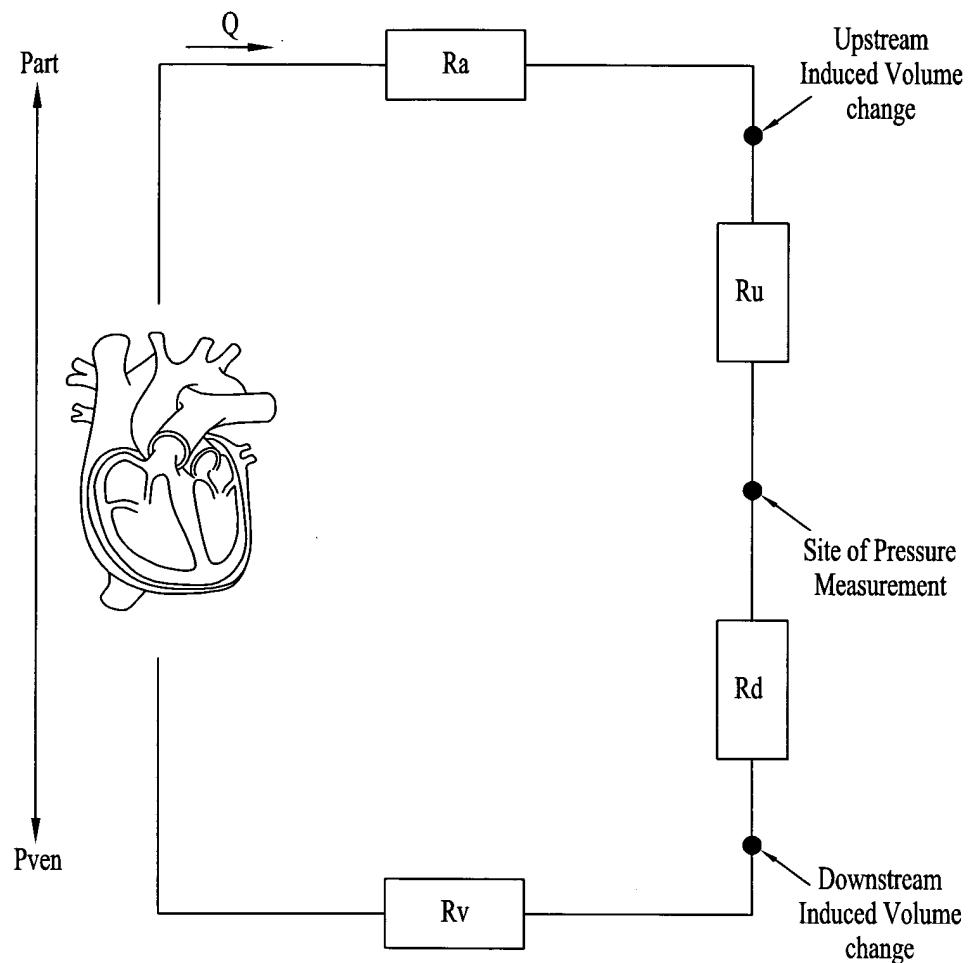


FIG.19

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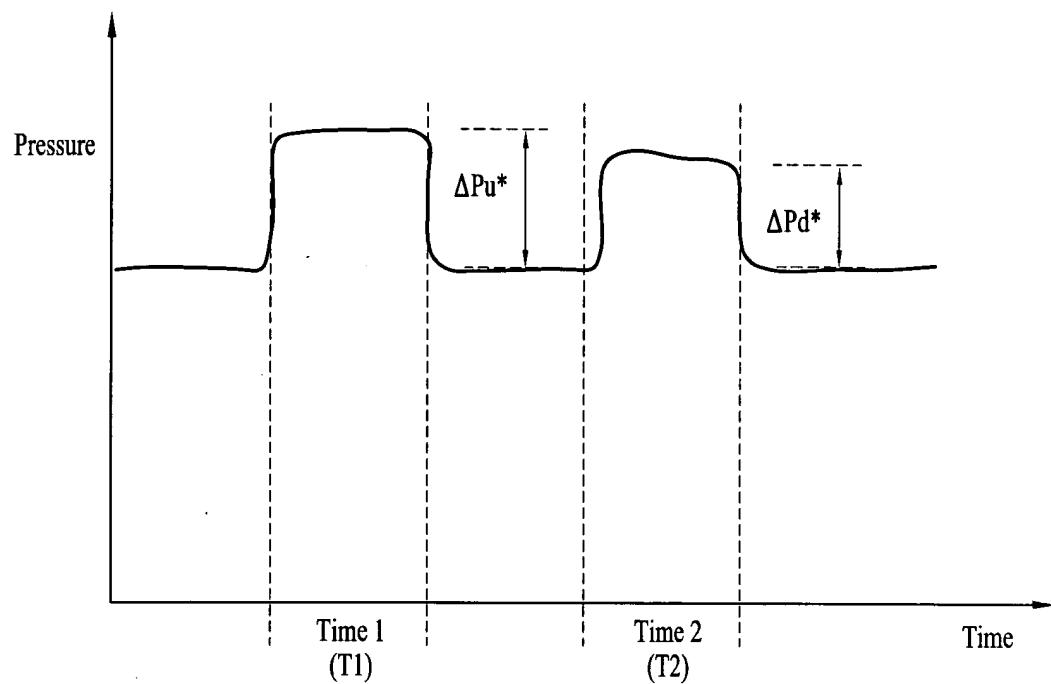


FIG.20